

**State of Michigan**  
**John Engler, Governor**

**Department of Environmental Quality**



**Russell J. Harding, Director**

**INTERNET: <http://www.deq.state.mi.us>**

**State Revolving Fund (SRF)**  
**Final Intended Use Plan - Fiscal Year 1998**

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**Prepared by:**  
**Municipal Facilities Section, Environmental Assistance Division**  
**November, 1997**

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## **I. INTRODUCTION**

The State of Michigan provides a low-interest loan financing program to assist qualified local municipalities with the construction of needed water pollution control facilities. Michigan's fund is officially known as the Water Pollution Control Revolving Fund. Since its inception in 1989, however, the fund has more commonly been referred to as the **Clean Water State Revolving Fund, or SRF**.

This is an important distinction to be made now that Michigan has also established a similar financing program for drinking water projects. The new **Drinking Water Revolving Fund (DWRF)** will allow staff of the Michigan Department of Environmental Quality (DEQ) to apply to the U.S. Environmental Protection Agency (EPA) for capitalization grant funds. Funding for projects is expected to begin with third quarter loan closings in Fiscal Year (FY) 1998.

While these two programs will run on parallel tracks, there will be differences in schedules and requirements. It is imperative that interested parties work with DEQ staff to increase their knowledge of these differences. This Intended Use Plan (IUP) will focus from this point forward on the Clean Water State Revolving Fund, or SRF.

Michigan's SRF program is used by local municipalities to finance construction of their water pollution control projects. These may include wastewater treatment plant upgrades or expansions, combined sewer overflow abatement, new sewers designed to reduce existing sources of pollution, nonpoint source pollution management measures and other related wastewater treatment efforts. Qualified municipalities must meet Federal and State program requirements, as well as demonstrate their ability to publicly finance their project.

The SRF is a State-managed program. This FY1998 IUP describes how the Michigan DEQ and the Michigan Municipal Bond Authority (Authority) will jointly administer the SRF during FY1998. The Municipal Facilities Section (MFS) of the Environmental Assistance Division (EAD) is charged with carrying out the program administration responsibilities. Financial administration of the program continues to be handled by the staff of the Authority. The administrative contacts for the SRF are as follows:

**Ms. Janet Hunter Moore, Executive Director  
Michigan Municipal Bond Authority  
Michigan Department of Treasury  
Treasury Building  
Lansing, MI 48922  
517-373-1728**

**Mr. Thomas Kamppinen, Chief  
Municipal Facilities Section  
Environmental Assistance Division  
Department of Environmental Quality  
PO Box 30457  
Lansing, MI 48909-7957  
Voice: 517-373-2161  
E-Mail: [Kamppint@state.mi.us](mailto:Kamppint@state.mi.us)**

The EPA continues to offer guidance and conduct annual program oversight reviews which strengthen the management of the SRF and help to ensure consistent application of Federal requirements.

## II. STRUCTURE OF THE SRF

From 1989 through 1992, Michigan's SRF operated as a direct loan program. Municipalities requested reimbursement for project costs. Draws were processed directly upon Federal and State funds as they were requested. Since 1992, however, the State has sold State Revolving Fund Revenue Bonds which are covered with a reserve drawn directly from Federal and State funds. Issuance costs are covered by the bonds sold and, thus, are not identified as direct administrative expenses of the SRF. These costs have historically approximated 1 percent of the total issue.

Five separate market issues have been sold to date. In 1992, the SRF sold bonds in the amount of \$91,110,100. In 1993, \$102,220,000 in bonds were sold. The third issue, in early 1995, totaled \$87,280,000. The fourth bond sale was concluded in May, 1996 for \$86,290,000. A refinancing took place in August, 1996. New bonds totaling \$86,750,000 were sold to defease all of the outstanding 1992A and 1994 series bonds. Thus, the defeased series are no longer considered outstanding. The most recent (fifth) bond sale took place on July 1, 1997 in the amount of \$132,500,000.

It is from these bond issues that reimbursements are drawn for the local units of government. Concurrently, the EPA and State funds are deposited into the debt service reserve accounts which provide coverage for the revenue bonds. Diagrams of the flow of funds are included as Attachment 1.

Michigan has requested and received Federal capitalization grants from the EPA since FY1989. This Federal contribution has been significant, amounting to over \$567 million to date. These funds, matched by a 20 percent contribution from State sources, have created the capital pool from which the low-interest loans could be made. In addition, release funds from the reserve accounts become available as coverage requirements lapse on each bond issue sold. These moneys then become available for commitment to municipalities, along with interest and principal repayments.

The following summarizes the yearly capital contributions of both the Federal and State governments, as well as municipal repayments expected:

<b>FY</b>	<b>Federal Cap Grant</b>	<b>State Match</b>	<b>Total Cap Grant</b>	<b>Muni. Interest Repay on Loans</b>	<b>Muni. Principal Repay on Loans</b>	<b>Total Available Funds</b>
1989	\$ 40,556,538	\$ 8,200,000	\$ 48,756,538	\$ 0	\$ 0	\$ 48,756,538
1990	\$ 42,108,599	\$ 8,421,600	\$ 50,530,199	\$ 12,843	\$ 0	\$ 50,543,042
1991	\$ 88,244,046	\$ 17,648,809	\$ 105,892,855	\$ 410,006	\$ 1,320,000	\$107,622,861
1992	\$ 83,545,209	\$ 16,709,042	\$ 100,254,251	\$ 1,709,590	\$ 2,415,000	\$104,378,841
1993	\$ 92,478,548	\$ 18,495,710	\$ 110,974,258	\$ 3,119,213	\$ 6,200,000	\$120,293,471
1994	\$ 53,595,202	\$ 10,719,040	\$ 64,314,242	\$ 4,599,247	\$ 9,915,558	\$ 78,829,047
1995	\$ 52,961,238	\$ 10,592,248	\$ 63,553,486	\$ 6,159,577	\$14,890,794	\$ 84,603,857
1996	\$ 86,752,116	\$ 17,350,423	\$ 104,102,539	\$ 7,305,184	\$16,823,825	\$128,231,548
1997	\$ 26,798,013	\$ 5,359,603	\$ 32,157,616	\$ 8,000,000*	\$18,000,000*	\$ 90,315,232
<b>TOTALS</b>	<b>\$567,039,509</b>	<b>\$113,496,475</b>	<b>\$680,535,984</b>	<b>\$31,315,660</b>	<b>\$69,565,177</b>	<b>\$813,574,437</b>

\*denotes estimates

### **III. ADVANTAGES OF THE SRF**

The primary advantage to Michigan municipalities is the ability to borrow funds well below market. At first, loans were offered with a 2 percent rate of interest. At the start of FY1995, this was raised to 2.25 percent. Since the fund's inception, open market rates have ranged from 5.25 to 8 percent. The relative stability of the SRF has allowed communities to more adequately plan without factoring in major market rate adjustments.

The SRF interest rate is established prior to each new fiscal year. The decision is based on demand, market conditions, program costs, and future structuring needs. After considering these that are variables listed in Part 53 of Act 451, PA 1994, the DEQ director has established the interest rate for all loans offered during FY1998 at 2.25 percent.

Apart from the low interest, municipalities also benefit from the SRF in that they can finance all eligible water pollution control costs. They often do not have to seek other sources or enter the market to obtain local share financing. Everything is handled by this "one-stop shopping" concept. The amount of time it takes to commence construction is greatly reduced. This streamlined approach has resulted in lower bid costs because of the tighter timeframe. It has removed the unexpected elements that occurred when communities would obtain a grant and then have to secure financing for the local share.

The SRF can also be used to fund qualified projects to abate nonpoint sources of pollution. The DEQ director may allocate funds between traditional point source projects and the nonpoint sources such as urban and agricultural runoff. There continues to be little interest from local units of government to finance projects for nonpoint source pollution control through the SRF. The impediment likely results from the difficulty of generating a viable source of repayments for nonpoint sources.

While we work to address this difficulty, we will continue to make loans available to any Section 319 nonpoint source project within the fundable range that can meet program requirements.

### **IV. CHANGES IN THE SRF**

There have been no major changes in Michigan's SRF since last year, but the DEQ does intend to pursue one significant modification to the program in FY1998. This change will consist of implementing EPA's Hardship Grants Program for Rural Communities by modifying Michigan's SRF to permit the award of additional assistance to qualifying communities.

The Omnibus Consolidated Rescissions and Appropriations Act of 1996 (P.L. 104-134) contained a \$50 million appropriation for a Hardship Grants Program, and Federal guidance published on March 20, 1997 provides basic implementation detail. There were no additional funds appropriated in FY1997 and it is uncertain whether appropriations in FY1998 and beyond will be made. Michigan's share of the FY1996 appropriation is \$2,280,700, and when supplemented with the required 5 percent state match, results in \$2,394,735 of hardship assistance being available to municipalities participating in the SRF.

The Hardship Grants Program will remain directly tied to Michigan's SRF and available funds will be used to provide supplemental financial assistance to qualifying communities at the time of loan award. The Department is currently exploring ways to implement this program.

## V. PROJECT PRIORITY

The State Clean Water Assistance Act, now codified in Part 53, Clean Water Assistance, of the Natural Resources and Environmental Protection Act, Act 451 of the Public Acts of 1994, requires the SRF to offer assistance in priority order from the State's annual Project Priority List (PPL). The criteria used to prioritize the projects are contained in the Act, with details set forth in administrative rules (R323.951 to R323.965).

This draft FY1998 IUP and PPL includes projects scheduled to receive Orders of Approval (the State's binding commitment) between October 1, 1997 and September 30, 1998. At the appropriate time, a letter will be sent out to identify the specific fundable and contingent projects. The attached charts summarize information about this year's projects, including their expected funding amounts and dates of expected commitment. This information is provided based on the assumption that the level of funding will be consistent with Federal projections for the FY1998 budget year. Communities with projects in the fundable range must negotiate a schedule with the DEQ project manager assigned to assist the local unit of government.

Historically, many projects in the contingency range of the PPL have been funded when others in the fundable range fail to satisfactorily meet program requirements in a timely manner. It is imperative that municipal officials work closely with the DEQ and the Authority to ensure that no opportunity for funding is lost.

**There is no actual, nor implied, guarantee that inclusion on the PPL, the IUP, or in the fundable range will constitute a commitment of financial assistance from the SRF. All program requirements must be satisfied before a binding commitment will be offered and a loan closed.**

## VI. LONG-TERM GOALS

Michigan's SRF is the primary funding source used to protect and preserve the water resources within the State's boundaries. As more and more attention is given to water pollution abatement efforts within specific watersheds, the DEQ will continue to work toward establishing tighter integration of the Federal/ State/local partnership. The DEQ is beginning to examine ways to work together with various Federal and State agencies, such as the Rural Development Authority and the Michigan Jobs Commission, so that we may collectively fund applicants and maximize use of our capital pool to protect our water resources.

Such protection of the State's waters will ultimately benefit everyone. Industry, tourism, and day-to-day quality of life are strengthened when our most valuable natural asset is preserved for our use and enjoyment. This includes improvement of existing surface waters which suffer impairment, protection of groundwater resources from improperly treated discharges, reduction of harmful discharges from combined sewer overflows, and the protection of aquatic ecosystems which cannot thrive in conditions of degraded water quality. To this end, Michigan's SRF seeks:

- A. To achieve and maintain statewide compliance with all applicable State and Federal laws, rules and standards.
- B. To protect the public health and environmental quality of our State.

- C. To develop an Agricultural Revolving Fund for private producers to provide easier access integrating Section 319 nonpoint source pollution projects into the mainstream of the SRF.
- D. To further integrate principles of watershed management and water quality restoration within urban, as well as outstate areas.
- E. To secure Michigan's full share of Federal funding available under Title VI and to expeditiously obligate these moneys, along with the State contributions, for the construction of water pollution control activities which meet State and Federal requirements.
- F. To maintain an effective program of community environmental education, outreach, and involvement within watersheds.
- G. To develop strategies within the SRF to assist smaller, hardship communities meet water quality standards.

## **VII. SHORT-TERM GOALS**

In order to accomplish the long-term goals, we must also focus on more immediate objectives. Therefore, for our short-term goals for FY1998, we will strive:

- A. To continue on-going revisions to the SRF Procedures Manual. This is a continual process involving staff and management effort to review and redraft chapters to reflect changes in operational procedures of managing the SRF. This will result in improved efficiency and effectiveness of the program.
- B. Implement a new Drinking Water Revolving Fund as a companion program to the SRF in Michigan.
- C. Establish a small community hardship assistance program and a viable nonpoint source Agricultural Revolving Fund for use during FY1999 and beyond.
- D. To identify and establish a technical assistance program for municipal revenue system development focused on pollution prevention through outreach.
- E. To work with the EPA and the Association of State and Interstate Water Pollution Control Administrators to promote reauthorization of the Federal Clean Water Act.
- F. To fund those projects identified in the IUP, enabling them to proceed with construction of facilities included in their adopted project plans.

## **VIII. ALLOCATION OF FUNDS**

Allocation of funds among eligible uses is based on a three-step process. First, the DEQ identifies the sources of funds and the spending limits for the SRF within the given fiscal year. Next, a determination of the type and amount of funding assistance necessary for each community is made. Finally, SRF funds are allocated among the projects consistent with amounts available and the projects' priority standing.

The following information reflects the estimated sources of funds from which communities may draw assistance during FY1998:

FY1998 Title VI Funds	\$ 58.47 million
FY1998 Section 205(m) Transfer Funds	\$ 0
FY1998 State Match	\$ 11.69 million
Carryover from previous year	\$ 34.36 million
Anticipated Earnings & Funds Released from Debt Service Reserve	\$ 10.48 million
Repayments of Principal and Interest to SRF	\$ 35.00 million
Total Sources of Funds for FY1998	\$150.00 million

From these funds, however, the costs of administering the SRF are also drawn. As permitted in Section 603(d)(7) of the Federal Clean Water Act, Michigan will continue to reserve up to 4 percent of the cumulative Federal capitalization amounts to cover the administrative expenses of operating the SRF. We anticipate providing up to \$150.0 million for project funding during FY1998. These funds will be drawn by the DEQ and the Authority throughout the fiscal year to cover administrative costs and project reimbursements.

## IX. ASSURANCES

- A. Legal Basis - The State of Michigan has certified that it established the SRF under Part 53, Clean Water Assistance, of the Natural Resources and Environmental Protection Act, Act 451 of the Public Acts of 1994. Companion administrative rules (R323.951-323.965), along with the Act, grant the necessary powers and authorities to administer the SRF consistent with the requirements of the Clean Water Act, applicable regulations, and the Operating Agreement signed in June, 1989.

The State continues to assure that it has the legal, managerial, institutional, and fiscal capability to administer the SRF according to established requirements. Proper attestation from the Michigan Attorney General has been forwarded to the EPA prior to a request for a FY1998 capitalization grant.

- B. Separate Accounts - The SRF maintains separate accounts dedicated solely to providing assistance in the form of loans. The Authority is responsible for all transactional records of the SRF and prepares separate statements of account. From these accounts, loans may be issued to finance construction of Section 212 publicly-owned wastewater treatment works or the implementation of Section 319 nonpoint source programs. Other qualified expenses of the SRF may also be paid.
- C. Expeditious Expenditures - The State will seek to expend **all** funds in the SRF in a timely and expeditious manner (Section 602(b)(4)), and will use these funds first to assure maintenance of progress toward enforceable deadlines, goals, and requirements of the Federal act.
- D. Environmental Review - In accordance with Section 602(a) of the Clean Water Act, Michigan has set forth a State Environmental Review Process in its administrative rules (R 323.954) and the Operating Agreement entered into by the State and the EPA-Region V.

Environmental reviews for communities which receive assistance will be conducted under procedures initially published during FY1990 and periodically updated since then.

- E. Binding Commitments - In accordance with Section 602(b)(3), the State will enter into binding commitments (Orders of Approval) for 120 percent of each quarterly payment within 1 year of receipt of that payment.
- F. Federal Cross-cutters - In accordance with procedures identified in the Operating Agreement and for all funds directly made available through Federal capitalization grants, the State shall require compliance with "cross-cutting" Federal programs listed in Appendix F of the EPA official guidance.

Each applicant community must certify that it will comply with all Federal and/or State laws, regulations, requirements and/or procedures. Many of these are specifically enumerated in both the Application for Assistance and the Supplemental Agreement signed upon loan closing.

Federal cross-cutters are divided into four groups: 1) environmental; 2) economic; 3) social legislation; and 4) other. Environmental and economic cross-cutters are addressed during review and approval of a project plan. Issues relating to social legislation are dealt with prior to the loan award through applicant certifications and follow-up reporting.

When circumstances dictate, the DEQ will take necessary steps to ensure compliance, including a request to the EPA-Region V to intercede in cross-cutter disputes involving other agencies.

If a municipality should fail to achieve compliance with any provision enumerated in the law, rules, procedures, or as a special condition, the DEQ may take action leading up to termination of the loan.

- G. National Municipal Policy - The State has previously established that all of the municipalities listed on the National Municipal Policy List are in compliance, are under construction, or are involved in an enforcement action which will lead to compliance. There are no known deviations from conditions and/or schedules. Therefore, the SRF is not restricted by Section 602(b)(5) for FY1998. The first use requirement is met.

## **X. CRITERIA AND METHOD FOR DISTRIBUTION OF FUNDS**

The State of Michigan will provide financial assistance from the SRF to municipalities in the relative order that they appear on the PPL developed for the fiscal year covered by this IUP. It is probable, however, that lower-ranked communities will receive money sooner if higher-ranked communities are not ready to proceed.

Section 5309 of 1994 PA 451 permits the DEQ to limit funding in certain circumstances to maximize funds and achieve greater environmental gains. It reads:

*To ensure that a disproportionate share of available funds for a given fiscal year is not committed to a single sewage treatment work project or storm water project, the department may segment a sewage treatment work project if either of the following criteria is present:*



*(a) The cost of the proposed project is more than 30 percent of the amount available in the fund.*

*(b) Upon application of a municipality, the department has approved a municipality's application for segmenting a project.*

Financial assistance to municipalities during FY1998 will consist solely of straight loans. There will be no guarantees of indebtedness.

## **XI. EPA-AUTOMATED CLEARING HOUSE ACTIVITIES**

The EPA employs an Automated Clearing House (ACH) to make disbursements of Federal funds to the SRF. For FY1998 Michigan anticipates drawing on the ACH according to the following schedule:

1st Quarter	-	\$18.47 million	Request processing in first quarter, FY1998
2nd Quarter		\$15.00 million	Request processing in second quarter, FY1998
3rd Quarter	-	\$15.00 million	Request processing in third quarter, FY1998
4th Quarter	-	\$10.00 million	Request processing in fourth quarter, FY1998

As project (or program administrative) costs are incurred, one request for disbursement may be submitted by the local project's authorized representative (or State agencies) each month. The request for disbursement of funds will be sent directly to the DEQ, who will then process the request as part of a weekly draw request. Upon delivery to its office, the Authority will execute the fund drawdown electronically by transferring money from the Federal ACH and State accounts. These amounts are drawn at 83.3 percent and 16.7 percent, respectively.

Moneys will be automatically deposited into the debt service reserve account of the SRF, while funds are electronically wired to the municipality's bank from a SRF account which holds funds from a taxable State issue.

## **XII. PUBLIC REVIEW AND COMMENT**

In order to satisfy public participation requirements, DEQ must conduct a public hearing on the IUP and PPL. This year the public hearing took place September 18, 1997 at 1:30 p.m. in Lansing, Michigan. This hearing was announced in newspapers throughout the State, individually noticed to each municipality on the proposed FY1998 PPL, and sent to interested parties.

Items addressed in the public hearing included Michigan's PPL, IUP, priority point assignment, planned funding schedules, and proposed binding commitment amounts for projects which might be assisted with SRF moneys during FY1998. This hearing provided an opportunity for municipalities and other interested parties to comment and request changes to their projects' ranking criteria, if necessary.

The information contained in the accompanying charts will be useful for those interested in reviewing project data. Chart 1 shows the binding commitment dates, construction start dates and binding commitment amounts. Charts 2 and 2A provide a breakdown of category cost dollars consistent with EPA definitions (i.e. treatment, rehab, Combined Sewer Overflow, etc.). Chart 3 reflects the type of assistance, NPDES Permit Number, Facilities Needs Number, and whether the project had a previous segment funded within the prior three years. Finally, Chart 4 identifies the quarterly funding breakdown expected during the fiscal year.

Questions about the public hearing, the final PPL, or the final IUP may be directed to:

**Mr. Thomas Kamppinen, Chief  
Municipal Facilities Section  
Environmental Assistance Division  
Department of Environmental Quality  
PO Box 30457  
Lansing, MI 48909  
Voice Telephone: 517-373-2161  
Fax: 517-335-0743  
E-Mail: kamppint@state.mi.us**

**XIII. ORIGINATION OF DOCUMENTS**

The Chief of the Municipal Facilities Section of the Department of Environmental Quality is responsible for issuing the Intended Use Plan. The IUP and its accompanying information were prepared by Mr. Edward Moyer. It is a collaborative effort of MFS staff who provide data for its development. Questions specific to the structure or content of text or numbers, may be directed to Mr. Moyer's attention at the address listed above or via E-mail at **moyere@state.mi.us**.



Michigan Water Pollution Control Revolving Fund  
Loan Assistance Ranking For Wastewater Treatment Works Projects

FINAL Fiscal Year 1998 Project Priority List By Rank

Rank	Project Number	Project Name And Description			Water Quality Severity Points						Enf Pts	Pop.	Pop. Pts	Exist. Disch	Recvg. Waters	Dil. Ratio	Rat. Pts	Tot Pts	Bind.Com Date	Bind.Com. Amt.	
					DO	NUT	TOX	MICR	GWD	Tot											
PROJECTS WITH PRIOR FUNDED SEGMENTS W/ LAST 3 YEARS																					
1	5129-02	Sault Ste Marie	Chippewa Co	CSO: Swr Sep-Seg 2	0	1	0	27	0	28	300	9323	80	0.043	78000	0.0000	25	433	08/27/98	\$4,000,000	
1	5129-03	Sault Ste Marie	Chippewa Co	CSO: Swr Sep-Future Segments	0	1	0	27	0	28	300	9323	80	0.043	78000	0.0000	25	433	09/09/99	\$11,210,000	
2	5120-01	Ontonagon	Ontonagon Co	Stab Lag: Swr Rehab: Seg 1 (Refinance)	0	1	0	27	0	28	300	2042	60	0.019	710	0.0000	25	413	08/27/98	\$4,350,000	
PROJECTS WITHOUT PRIOR FUNDED SEGMENTS W/ LAST 3 YEARS																					
3	5117-25	Wayne Co	Downriver	Tunnel Dewatering Pump Station	17	31	50	27	0	125	300	332910	100	0.159	0.1	1.5884	100	625	08/27/98	\$15,725,000	
3	5117-32	Wayne Co	Downriver Wyandotte	Disinfection Facilities	17	31	50	27	0	125	300	332910	100	0.159	0.1	1.5884	100	625	08/27/98	\$11,285,000	
3	5117-33	Wayne Co	Downriver Wyandotte	Outfall Connection	17	31	50	27	0	125	300	332910	100	0.159	0.1	1.5884	100	625	08/27/98	\$1,160,000	
3	5117-34	Wayne Co	Downriver	Future Segments	17	31	50	27	0	125	300	332910	100	0.159	0.1	1.5884	100	625	09/09/99	\$17,200,000	
4	5005-10	Lansing	Ingham Co	Seg 10 CSO: Swr Sep-Lansing Ave. P.S.	7	100	0	37	0	144	300	62301	95	1.268	48	0.0264	70	609	03/05/98	\$10,300,000	
4	5005-11	Lansing	Ingham Co	Seg 11 CSO: Swr Sep-Future Segments	7	100	0	37	0	144	300	62301	95	1.268	48	0.0264	70	609	09/09/99	\$143,700,000	
5	5148-01	Mt Clemens	Macomb Co	CSO: Swr Sep, RTB Upgrd.: Seg 1	14	27	0	25	0	66	300	17926	85	0.329	0	3290.0	100	551	05/27/98	\$13,010,000	
5	5148-02	Mt Clemens	Macomb Co	CSO: Swr Sep: Seg 2	14	27	0	25	0	66	300	17926	85	0.329	0	3290.0	100	551	09/09/99	\$10,850,000	
6	5159-01	Saginaw	Saginaw Co	CSO: Hancock Phase B Coll Swr	36	38	0	21	0	95	300	6000	80	6.71	980	0.0068	55	530	05/27/98	\$6,900,000	
7	5126-01	Detroit	Wayne Co	PC 693 - Dechlorination	0	0	50	0	0	50	300	3100000	100	775	33924	0.0228	70	520	08/27/98	\$14,330,000	
8	5140-01	Detroit	Wayne Co	E xp: Chlorination Facility	0	0	0	27	0	27	300	3100000	100	775	33924	0.0228	70	497	09/09/99	\$6,580,000	
9	5155-01	Frankenmuth	Saginaw Co	SSO: Relief Swr, Exp/Upgrd WWTP and PS	1	0	0	37	0	38	300	4408	75	1.252	25	0.0501	70	483	03/05/98	\$5,555,000	
10	5131-01	Monroe Co	Carleton	Upgrd/Expnd WWTP (Oxi Ditch)	0	0	0	0	0	0	300	3007	70	0.286	1.1	0.2600	85	455	09/09/99	\$7,010,000	
11	5158-01	Reed City	Osceola Co	WWTP Upgrd/Expnd	0	0	0	0	0	0	300	2480	65	0.464	22	0.0211	70	435	03/05/98	\$2,700,000	
12	5145-01	Manistee	Manistee Co	CSO: Swr Sep-Seg 1	0	0	0	27	0	27	300	7805	80	0.116	1820	0.0001	25	432	11/26/97	\$595,000	
12	5145-02	Manistee	Manistee Co	CSO: Swr Sep-Seg 2	0	0	0	27	0	27	300	7805	80	0.116	1820	0.0001	25	432	05/27/98	\$2,235,000	
12	5145-03	Manistee	Manistee Co	CSO: Swr Sep-Future Segments	0	0	0	27	0	27	300	7805	80	0.116	1820	0.0001	25	432	09/09/99	\$2,460,000	
13	5163-01	Centreville	St Joseph Co	WWTP Upgrd/Expnd	0	0	0	0	0	0	300	1516	55	0.172	999999	0.0000	25	380	05/27/98	\$3,430,000	
14	5147-01	Lawton	Van Buren Co	WWTP Upgrd	0	0	0	0	0	0	300	1224	50	0.13	999999	0.0000	25	375	05/27/98	\$1,615,000	
15	5153-01	12 Towns NAR DD	Oakland Co	CSO Phase 1: Relief Swrs	0	0	0	0	0	0	0	20000	85	5.5	1.7	3.2351	100	185	05/27/98	\$17,550,000	
16	5130-01	Mason	Ingham Co	WWTP Expnd	0	0	0	0	0	0	0	7684	80	3	1.6	1.8749	100	180	09/09/99	\$3,650,000	
17	5093-01	Detroit	Wayne Co	PC 678-Roof Top Matl Handling	0	0	0	0	0	0	0	3100000	100	775	33924	0.0228	70	170	08/27/98	\$3,200,000	
18	5166-01	Mt Clemens	Macomb Co	CS	2	0	0	37	0	39	0	38	30	0.002	0	20.0	100	169	05/27/98	\$150,000	
29	5143-01	Detroit	Wayne Co	2nd Det Riv Outfall	0	0	0	0	0	0	0	3100000	100	2.6	650	0.0040	55	155	09/09/99	\$55,890,000	
20	5154-01	Southfield	Oakland Co	CS-Seg 1	1	0	0	37	0	38	0	5000	75	0.005	2.8	0.0018	40	153	08/27/98	\$9,750,000	
20	5154-02	Southfield	Oakland Co	CS-Future Segments	1	0	0	37	0	38	0	5000	75	0.005	2.8	0.0018	40	153	09/09/99	\$15,500,000	
21	5103-01	Flint	Genesee Co	PS Upgrd: Storage Blds	0	0	0	0	0	0	0	140775	95	0.13	85	0.0015	40	135	11/26/97	\$2,135,000	
22	5161-01	Wayne Co	Wayne Co HVS	WWTP Exp-Seg 1	0	0	0	0	0	0	0	65004	95	8.9	36700	0.0002	40	135	08/27/98	\$20,025,000	
22	5161-02	Wayne Co	Wayne Co HVS	WWTP Exp-Seg 2	0	0	0	0	0	0	0	65004	95	8.9	36700	0.0002	40	135	08/27/98	\$10,475,000	
23	5141-01	Kent City	Kent Co	Swr Rehab: WWTP Imp	0	0	0	0	0	0	0	900	50	0.17	1.7	0.1000	85	135	03/05/98	\$905,000	
24	5157-01	Oakland co	White Lake Twp	CS (Pressure Swrs)-Pontiac Lk/English Villas	0	0	0	0	50	50	0	1673	55	0.117	999999	0.0000	25	130	08/27/98	\$4,690,000	
25	5164-01	Ottawa Co	Allendale Twp	WWTP Expnd	0	0	0	0	0	0	0	9567	80	1.02	844	0.0012	40	120	11/26/97	\$4,605,000	
26	5165-01	Orleans Twp	Ionia Co	CS: WWTP-Long Lk Area	0	0	0	0	50	50	0	587	40	0.041	999999	0.0000	25	115	05/27/98	\$3,080,000	
27	5149-01	Escanaba	Delta Co	WWTP Imp	0	0	0	0	0	0	0	13659	85	1.9	999999	0.0000	25	110	05/27/98	\$1,000,000	
28	5139-01	Billings Twp	Gladwin Co	CS, WWTP(Grav/Press&OxiDitchw/WetlandDis)	0	0	0	0	0	0	0	3429	70	0.24	999999	0.0000	25	95	08/27/98	\$22,990,000	
29	5152-01	Tuscarora Twp	Cheboygan Co	CS(Grav/Press Swrs): WWTP lagoon/w spray	0	0	0	0	0	0	0	2388	65	0.167	999999	0.0000	25	90	05/27/98	\$11,830,000	
30	5160-01	Springport	Jackson Co	WWTP Upgrd/Expnd	0	0	0	0	0	0	0	707	45	0.816	999999	0.0000	25	70	05/27/98	\$250,000	
31	5162-01	Mancelona	Antrim Co	CS: Cluster Sys	0	0	0	0	0	0	0	176	30	0.012	999999	0.0000	25	55	08/27/98	\$595,000	